

# WWW Nuclear Science Reference Server

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The Nuclear Science Reference file (NSR) contains about 150,000 primary and secondary references of interest to nuclear physics research. The reference file generally includes title, author, journal reference, keywords, and a keyword abstract. The LBNL-Lund Collaboration has prepared the Isotope Explorer NSR Server to provide access to the NSR file on the WWW. The [NSR Server web page](#) is written with Javascript and can create a reference search based on author(s), publication date, nuclide (A, Z, N, or even/odd), keyword, nuclear reaction type, and/or category (radioactivity, nuclear structure, reaction, nuclear moment, etc).

The user can specify several search criteria and submit them to the Isotopes Project's NSR server where the relevant references are gathered and sent to the client's browser. The reference information, complete with keyword abstracts, are formatted and displayed in an output window as shown in figure 1. If the reference is available in electronic form from the American Institute of Physics, hypertext links are also provided to the abstract and original article. The performance of the NSR Server is typically fast with references transmitted in seconds, even for 28K baud modems.

## Footnotes and References

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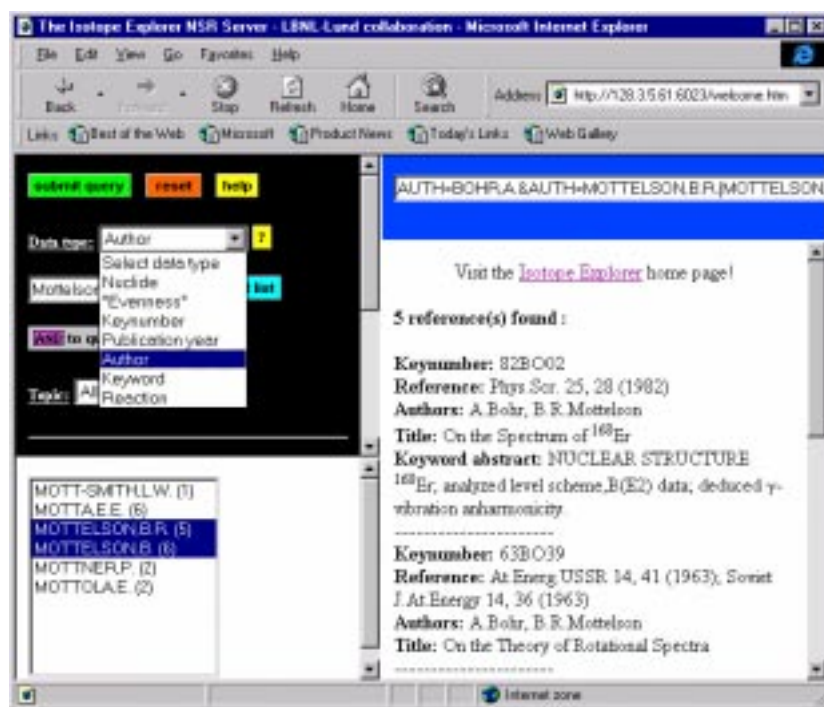


Figure. 1. Sample reference search with Isotope Explorer NSR Server. Here we search on the authors Bohr and Mottelson (two different initials) and find four references.